

## **A SYSTEM AND MECHANISM TO CREATE AUTONOMIC BUSINESS PROCESS SOLUTIONS**

### **ABSTRACT OF THE DISCLOSURE**

Automomic business processes management solutions have

5 capabilities to adapt themselves to changes in the business environment. These  
autonomic business solutions are built by wiring together autonomic solution  
components called BPbots (Business Process robots). BPbots are granular  
solution components representing an aspect of a business process. In general,  
BPbots consist of two parts, an execution module and a managerial module.

10 The execution module represents the standard, non-autonomic solution  
component, such as a standard process flow model describing the long-  
running flow or business adapter describing the communication of the solution  
with service providers (such as applications). The managerial module is  
responsible for the autonomic behavior of the BPbot. The managerial

15 component has the ability to monitor the execution module, analyze the  
performance, plan new, more appropriate execution patterns and change the  
behavior of the execution module according to the new plan.